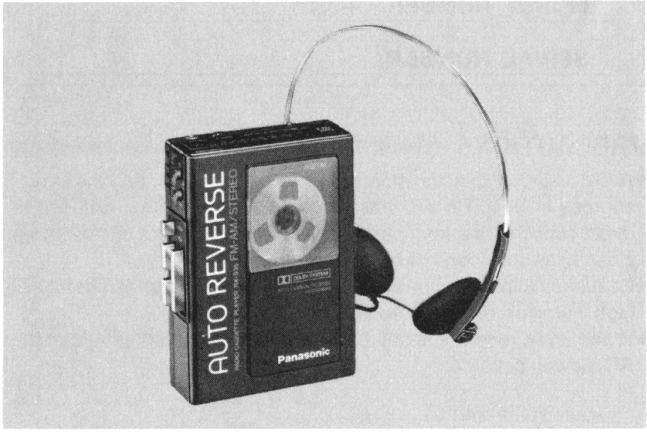
Operating Instructions

FM-AM-FM Stereo Radio Cassette Player

MODEL NO. RX-S35



Panasonic®

Read these instructions completely before operating this set.

Thank you for purchasing this Panasonic FM-AM-FM Stereo Radio Cassette Player. For optimum performance follow these operating instructions carefully.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

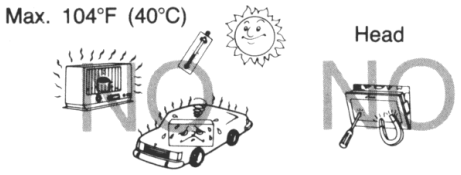
The serial number of this product may be found on the label affixed to the inside of the battery compartment.
You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid in identification in the event of theft.

MODEL NUMBER: RX-S35

SERIAL NUMBER:

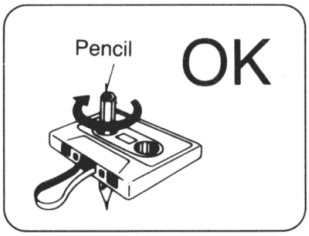
PRECAUTIONS

- Avoid using or placing this unit and supplied headphones near sources of heat. Do not leave them in an automobile exposed to direct sunlight for a long period of time with the doors and windows closed, as this may deform the cabinet.
- Cassettes should not be stored in locations with high temperature, high humidity or direct sunlight.
- When an AC adaptor is not in use, disconnect the adaptor from the AC power outlet.



SELECTION OF CASSETTE TAPES

Use only good quality tapes up to the length of C-90. Do not use C-120 or C-180 tapes with this unit because these tapes can easily become broken or stretched if not used with extreme care and may get tangled with the Capstans and Pressure Rollers.



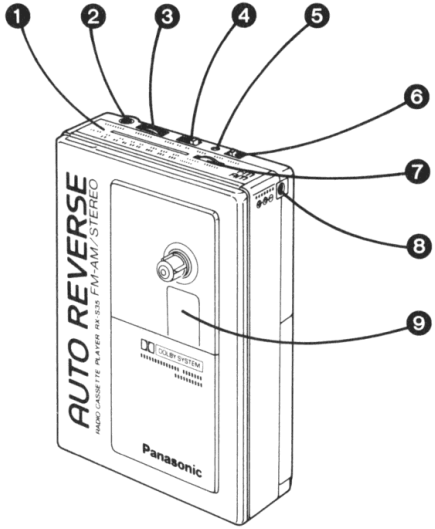
If the tape loosens, take up the slack by turning the reel in the proper direction.

Do not handle, or pull the tape out of the cassette.

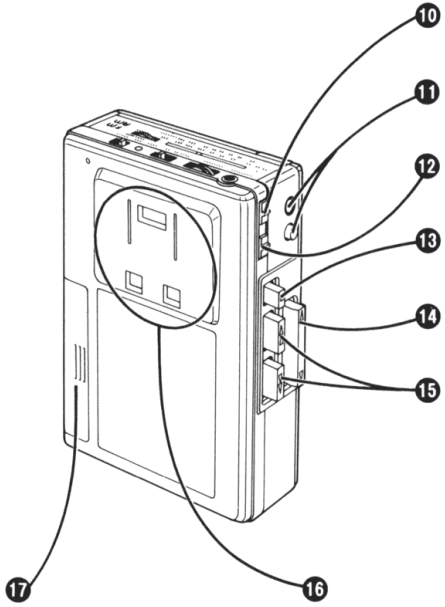
Precautions for Listening with the Headphones

- Do not use the stereo headphones while driving a car to prevent traffic accidents. While walking, do not use the stereo headphones with the volume control at high levels, as this may lessen the outside sound heard.
- Adjust the volume to lower than 5 on the Volume Control so as not to injure your ears.
- Avoid listening to sound which may injure your ears for a long period of time.
- Be carefull not to sleep, listening to the radio with the stereo headphones.
- Be careful not to annoy other persons, as the headphones provided are open-air type.

LOCATION OF CONTROLS



1. FM Stereo Indicator (FM ST)
2. Headphones Jack (PHONES)
3. Volume Control (VOLUME)
4. Band Selector
5. Battery Check Indicator (BATT)
6. Function Selector
7. Tuning Control (TUNING)
8. DC Input Jack (DC IN 3 V ⊕-◉-⊖)
9. Cassette Compartment



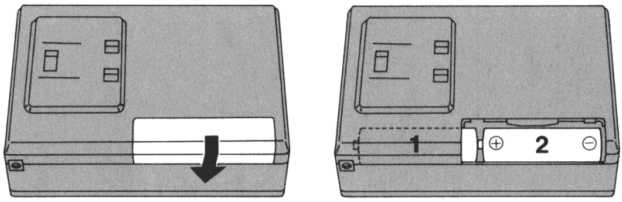
⑩ ***Dolby Noise Reduction Switch (DOLBY NR)**
⑪ **Tape Direction Buttons (REV ▲ • FWD ▼)**
⑫ **Tape Selector (TAPE)**
⑬ **Stop Button (■ STOP)**
⑭ **Playback Button (▲ PLAY ▼)**
⑮ **Rewind/Fast Forward Buttons (⏫ • ⏬)**
⑯ **Clip Receptacle**
⑰ **Battery Compartment**

*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

POWER SOURCE

■ Battery Operation

1) Open the battery compartment cover as shown in the figure.
2) Insert 2 "AA" size (Panasonic UM-3 or equivalent) batteries into the battery compartment, making sure that the batteries are installed in the specified numerical order and that the proper polarities are maintained.



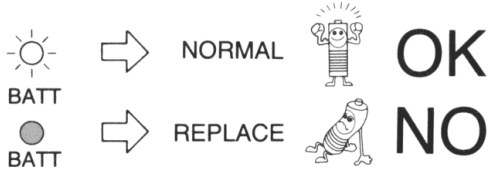
3) Replace the compartment cover.

•Battery removal

Press battery "2" toward the ⊖ battery terminal and remove it.

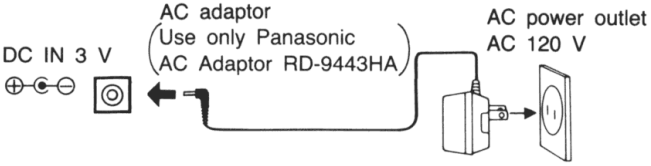
•Battery life

When the batteries become weak, the tape speed will slow down, the sound will become distorted, and the volume will decrease.
To check the condition of the batteries, press the Playback Button. When the Battery Check Indicator goes out or dims, it is time to replace all the batteries with new ones.



■ AC Power Operation

1) Insert the plug, at the end of the AC adaptor cord, into the DC Input Jack.
2) Plug the AC adaptor unit into your household AC power outlet. Upon plugging the AC adaptor cord in the DC Input Jack, the unit will automatically switch from battery to AC operation.

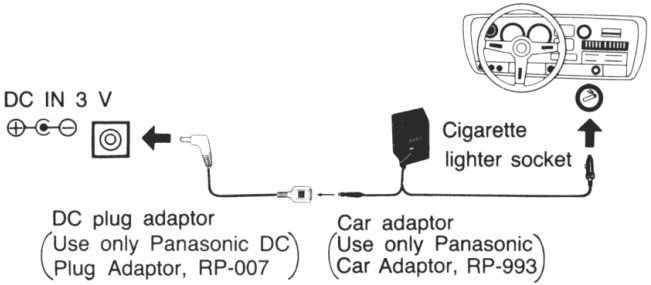


Note:
During battery operation, unplug the AC adaptor, from the household AC power outlet and the DC Input Jack of the unit.

■ Car Battery Operation

Connect the car adaptor and the DC plug adaptor as shown in the figure. The unit will automatically switch from internal battery to car battery operation.

•Be sure to set the voltage selector of the car adaptor to 3 V.



Note:
For the connection of an adaptor cord, follow the instructions provided with the cord.

RADIO

1) Connect the Exclusive Stereo Headphones to the Headphones Jack.
2) Set the Function Selector to "RADIO"
   •The Battery Check Indicator will light.
3) Set the Band Selector to the desired radio band, "FM ST", "FM" or "AM".
4) Tune in your favorite station using the Tuning Control.
5) Adjust the Volume Control for the desired sound level.
6) The radio can be turned off by setting the Function Selector to "TAPE/OFF".

Notes:

- To receive FM stereo broadcasts, set the Band Selector to "FM ST". The FM Stereo Indicator will light during stereo broadcasts.
- If FM stereo reception is poor (excessive noise, FM Stereo Indicator flickers) set the Band Selector to "FM". This will reduce the noise and provide clear reception; however, the broadcast will not be heard in stereo.

■ Antennas:

•FM

The headphone cord serves as the FM antenna, hence be sure to use it extended, not coiled.

Note:

When the FM signal is too strong and the sound is distorted, coil the headphone cord.

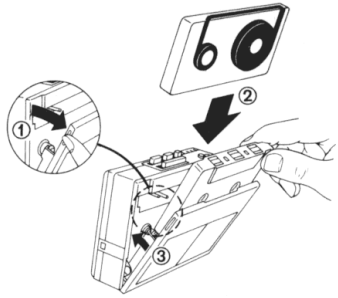
•AM

The sensitive ferrite core antenna inside the set will provide excellent AM reception in most areas. For optimum reception, you must turn the set in the direction which gives the best results, since the ferrite core antenna is directional.

Note:

Be sure to have the set in an upright position when you listen to AM broadcasts. If you use the radio in a horizontal position, it may not function adequately.

TAPE PLAYBACK



1) Open the Cassette Compartment cover by your finger. Insert cassette as shown in the figure, and then close the Cassette Compartment cover.
2) Connect the Exclusive Stereo Headphones to the Headphones Jack.
3) Set the Function Selector to "TAPE/ OFF ".
4) Set the Tape Selector, as shown in the table below, according to the cassette tape used.

Tape Selector Settings

Tape Selector Position	Tape
METAL/CrO_2	Metal tape
	High bias chromium tape or equivalent
NOR	Low bias ferric oxide tape

5) Set the Dolby NR Switch to "IN" to playback a tape recorded with Dolby Noise Reduction. For other tapes, set the switch to "OUT".
6) Press the Playback Button, and playback will begin.
   ●The Battery Check Indicator will light.
7) Adjust the Volume Control for the desired sound level.
8) Select the side to playback by pressing the Tape Direction Buttons; Forward or Reverse.
9) To stop the playback, press the Stop Button.

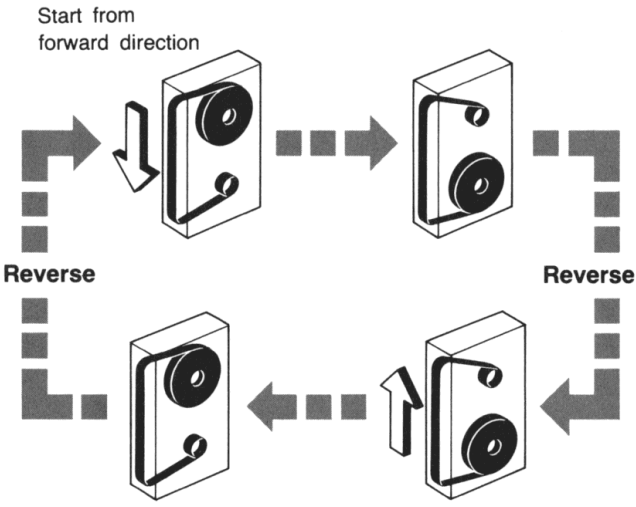
Note:
If you set the Function Selector to "RADIO" during playback, the Playback Button will not be released although the motor has stopped. Press the Stop Button to release the Playback Button.

REVERSE FUNCTION

■ Auto Reverse

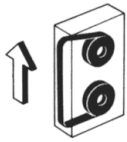
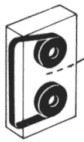
During playback, when the tape comes to the end of its travel, the auto-reverse mechanism functions, and the tape direction changes automatically to start playing the opposite side of the tape.

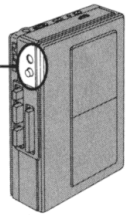
- Until the Stop Button is pressed, the cassette player will operate continuously, changing from forward to reverse, then back again, etc.

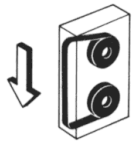
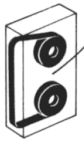


■ Manual Reverse

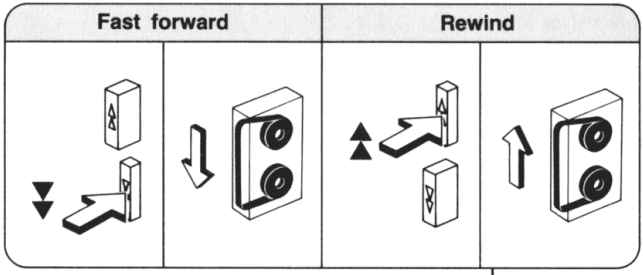
Select the playback side by pressing the Tape Direction Buttons; Forward or Reverse.

Tape Direction Buttons	Tape direction	Playback side
▲ REV	 Reverse playback	 The side of the tape not seen through the front of the Cassette Compartment



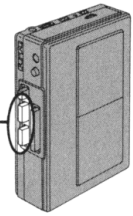
Tape Direction Buttons	Tape direction	Playback side
▼ FWD	Forward playback 	 The side of the tape seen through the front of the Cassette Compartment

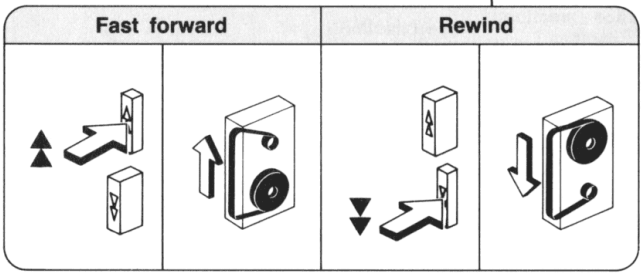
■ Fast forward and Rewind



(During FWD ▼ Button is pressed)

Note:
Do not press the Playback Button during fast forward or rewind, as this may jam the tape. Always press the Stop Button first, between functions.





(During REV ▲ Button is pressed)

■ Dolby Noise Reduction

This unit includes Dolby Noise Reduction which reduces tape noise to a remarkable degree.

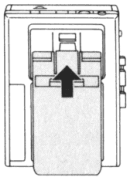
Briefly, the system works as follows:

At low sound levels (where tape noise is most noticeable), the high frequency (treble) portion of the sound is recorded at a higher level. During playback, the same high frequency portion of the sound is played back at a lower level. Since tape noise is introduced during recording and consists mainly of high frequencies, the tape noise is also reduced during playback. In effect, the sound is boosted during recording, then the sound along with the tape noise is reduced during playback. The result is unaltered sound with reduced tape noise.

BELT CLIP

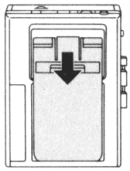
•To attach the clip

Fit the projection on the clip into three holes on the unit firmly, and push in with the index finger and slide up.

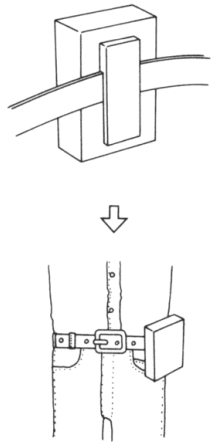


•To remove the clip

Push in with the index finger and slide down.



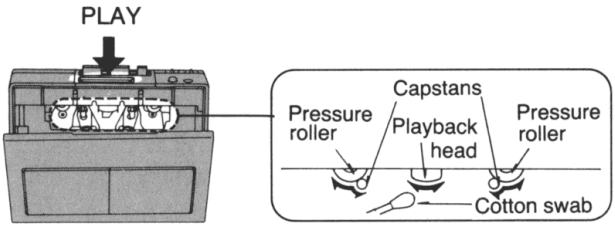
Attaching your belt



MAINTENANCE

The head assembly, capstans, and pressure rollers are in constant contact with the tape. If these parts are dirty, the sound quality will be impaired. Periodically, clean these parts as shown below.

1) Open the Cassette Compartment cover.
2) Press the Playback Button. The Playback Head, Capstans and the Pressure Rollers can be seen. Clean them with a cotton swab.



Notes:

- If the head is extremely dirty, clean it with a soft cloth dampened with a little alcohol.
- The use of cleaning tapes is not recommended, as some are abrasive and may cause premature wear of the head. Simply, clean the head assembly as described above.
- Do not bring metal articles or magnetic material, such as a screwdriver, near the head assembly.
- Do not clean the plastic cabinet with benzine or thinner. Clean it with a solution of soap and water.

SPECIFICATIONS

RADIO FREQUENCY RANGE:	FM; 88–108 MHz AM; 525–1610 kHz
POWER REQUIREMENT:	Battery; 3 V (two UM-3, AA size batteries) AC; with optional Panasonic AC Adaptor RD-9443HA Car Battery; with optional Panasonic Car Adaptor RP-993 and Panasonic DC Plug Adaptor RP-007
FREQUENCY RANGE:	50–12000 Hz (with normal tape) 50–12000 Hz (with metal tape)
TAPE SPEED:	1⅞ ips (4.8 cm/s)
JACKS:	
INPUT;	DC IN; 3 V (mini jack)
OUTPUT;	HEADPHONES; 32Ω
DIMENSIONS:	
(W)×(H)×(D)	3 5/16"×4½"×1⅜" (84.5 mm×114.5 mm×34.5 mm)
WEIGHT:	9.2 oz (260 g) without batteries

Design and Specifications are subject to change without notice.

Accessories

Stereo Headphones	1
Belt Clip	1

PRODUCT SERVICE

Should your Panasonic product ever require service, refer to enclosed Directory for an Authorized Panasonic Servicenter or consult your authorized Panasonic Dealer for detailed instructions.
SERIAL NUMBER: Located on the label affixed to the inside of the battery compartment.

Panasonic Company
Division of Matsushita Electric Corporation of America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Hawaii, Inc.
91-238 Kauhi St. Ewa Beach P.O.Box 774
Honolulu, Hawaii 96808-0774

Panasonic Sales Company
Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 De Infanteria, KM9.7, Victoria Industrial Park, Carolina
Puerto Rico 00630

RQX4459ZA F0384N0 ILMBPM4513 Printed in Japan